

VEGETATED CURB EXTENSION AT BELLE AIR SCHOOL

PROJECT DESCRIPTION: The City has received funding from C/CAG under the Sustainable, Green Streets and Parking Lots grant program to construct a 5-ft by 120-ft vegetated curb extension located between the Lion's Field parking lot driveway and the Armory parking lot. The project will provide a demonstration of the use of vegetation to mitigate the effects of stormwater runoff. The existing curb, gutter and asphalt will be removed to allow for a shallow excavation of soil and the replacement with appropriate vegetation and sediment layers. Curb cuts at the southern end of the extension and along its eastern face will allow stormwater runoff into a system of segmented landscaped areas. After proceeding through the landscaped system, excess water will flow back into the conventional gutter, cross 3rd Ave., and into the conventional storm drain system.

During rain events, a significant amount of flow on along the northern end of the Lions Field parking lot dumps directly onto 3rd Ave, creating a significant overflow of water extending beyond the traditional gutter by over 5 feet. By installing a vegetated curb extension on the west side of 3rd Ave., that water can be retained for a much longer period of time; thereby reducing peak flow and allowing opportunities for infiltration.

PROJECT NUMBER:

PROJECT MANAGER: Management Analyst

PRIORITY FOCUS/MASTER PLAN JUSTIFICATION: Conceived as a pilot project, this improvement may serve as a model to reduce flooding in other areas of the city and may also be incorporated into future street rehabilitation projects. Once complete, the site will also feature informational signs describing the purpose of the project and its positive environmental impact.

LIFE EXPECTANCY: 20+ years.

2007-08 STATUS: New project.

2008-2009 WORK PLAN: With peer review from specialized contractors secured through C/CAG, design project in-house; develop a comprehensive maintenance plan; advertise bid; award construction contract; and complete construction.

PROJECTED COMPLETION DATE: November 2008.

PROJECT-RELATED APPROPRIATIONS AND EXPENSES: The relatively high cost of design reflects the novelty of this type of project and the requirement specified in the grant agreement that the City develop a comprehensive maintenance plan prior to construction.

Funding Source	Previously Funded	Carry-Over Appropriations	2008-09 Request	Future Years	Total Appropriations
C/CAG	0	0	71,300	0	71,300
Sustainable, Green Streets Grant					
Total	\$0	\$0	\$71,300	\$0	\$71,300

Line Item Expenditures	Prior Expenses	2007-08 Expenses	2008-09 Proposed	Future Years	Total Expenditures
Design	0	0	27,600	0	27,600
Construction	0	0	43,700	0	43,700
Total	\$0	\$0	\$71,300	\$0	\$71,300

ONGOING FINANCIAL IMPACT: The construction contractor will be responsible for plant establishment and maintenance for one year upon the conclusion of construction, after which the City will assume the modest cost of upkeep.